

INTERNATIONAL SEARCH REPORT

International Application No
PC 03/00205

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/35 C12N15/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TODA MASAKO ET AL: "DNA vaccine using invariant chain gene for delivery of CD4+ T cell epitope peptide derived from Japanese cedar pollen allergen inhibits allergen-specific IgE response" EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 32, no. 6, June 2002 (2002-06), pages 1631-1639, XP002264094 ISSN: 0014-2980 the whole document --- -/--	1-6, 10, 11, 13-32

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

5 December 2003

Date of mailing of the international search report

30/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Smalt, R

INTERNATIONAL SEARCH REPORT

International Publication No.

PCT/SG 03/00205

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WU TZYY-CHOU ET AL: "Engineering an intracellular pathway for major histocompatibility complex class II presentation of antigens" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 92, no. 25, 1995, pages 11671-11675, XP002180963 ISSN: 0027-8424 cited in the application the whole document</p> <p>---</p>	1-32
Y	<p>WO 00 50044 A (TAI JUNE YOO ;YOO TAI JUNE (US)) 31 August 2000 (2000-08-31) the whole document</p> <p>---</p>	1-32
A	<p>FERNANDES DANCELLA M ET AL: "Characterization of MHC class II-presented peptides generated from an antigen targeted to different endocytic compartments" EUROPEAN JOURNAL OF IMMUNOLOGY, vol. 30, no. 8, August 2000 (2000-08), pages 2333-2343, XP002264095 ISSN: 0014-2980 the whole document</p> <p>---</p>	
A	<p>MAHNKE KARSTEN ET AL: "The dendritic cell receptor for endocytosis, DEC-205, can recycle and enhance antigen presentation via major histocompatibility complex class II-positive lysosomal compartments" JOURNAL OF CELL BIOLOGY, vol. 151, no. 3, 30 October 2000 (2000-10-30), pages 673-683, XP002264096 ISSN: 0021-9525 the whole document</p> <p>---</p>	
A	<p>US 6 251 663 B1 (CHUA KAW-YAN ET AL) 26 June 2001 (2001-06-26) the whole document</p> <p>-----</p>	

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 16-28, 30, and claim 32 to the extent that it relates to claim 30, are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No

PC 03/00205

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0050044	A	31-08-2000	AU 3605100 A	14-09-2000
			AU 3605300 A	14-09-2000
			CA 2362928 A1	31-08-2000
			EP 1162983 A1	19-12-2001
			WO 0050455 A2	31-08-2000
			WO 0050044 A1	31-08-2000
US 6251663	B1	26-06-2001	TW 480282 B	21-03-2002
			JP 9294585 A	18-11-1997
			US 5958891 A	28-09-1999